

**VARIABLE RESISTOR**

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**Abstract**

**PROBLEM TO BE SOLVED:** To provide a highly durable and attain long-lifetime variable resistor, having a simple structure, which can be formed thin and compact.

**SOLUTION:** Two conductive patterns 20 and 30 are connected by a resistor pattern 40, a pressure-sensitive film 50 is formed on the resistor pattern 40, and a short-circuit member 60, having two pressing parts 61 and 61 are placed on the pressure-sensing resistive film 50. The resistance value in the thickness direction of the pressure-sensitive resistive film, which is pressed by the pressing parts 61 and 61, can be changed, and also the resistance value between the two conductive patterns 20 and 30 can be changed by pressing the short circuit member 60. The conductive patterns 20 and 30, the resistor pattern 40 and the pressure sensing resistive film 50 are all formed by being printed on a flexible substrate 10.

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